

Human/Mouse/Rat PAK6 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4265

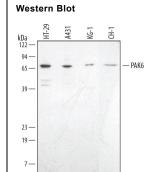
DESCRIPTION	
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat PAK6 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human PAK6 Met1-Arg137 Accession # Q9NQU5
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below

DATA



Detection of Human/Mouse/Rat PAK6 by Western Blot. Western blot shows lysales of HT-29 human colon adenocarcinoma cell line, A431 human epithelial carcinoma cell line, KG-1 human acute myelogenous leukemia cell line, and CH-1 mouse B cell lymphoma cell line. PVDF membrane was probed with 2 µg/mL of Human/Mouse/Rat PAK6 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4265) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for PAK6 at approximately 75 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 3.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.	
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	
	 12 months from date of receipt -20 to -70 °C as supplied 	

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

As downstream targets of the Rho GTPases, the p21-activated kinase (PAK) family of serine/threonine kinases regulates the organization of the actin cytoskeleton in mammalian cells. The PAK family is structurally categorized in two groups, each with three members: group I PAK1-3; and group II PAK4-6. PAK6 is expressed most highly in brain and testes, with lower levels in multiple tissues. Both MKK6 and p38 MAPK activate PAK6, suggesting a role for this kinase in the cellular stress response.

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